

# Converting Colors

$Yxy(76.2660, 0.3741, 0.4967)$

Have a look what the booklet for  
Yxy(76.2660, 0.3741, 0.4967)  
contains.

<b>Yxy(76.0917, 0.3742, 0.4963)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.0917, 0.3742, 0.4963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF153
RGB	202, 241, 83
RGB Percent	79%, 95%, 33%
CMY	0.2079, 0.0549, 0.6743
CMYK	0.16, 0.00, 0.66, 0.05
HSL	75°, 85%, 64%
HSV	75°, 66%, 95%
XYZ	57.3716, 76.0917, 19.8547
YIQ	211.3270, 27.4740, -57.4060

# Conversions

## Conversions Part 2

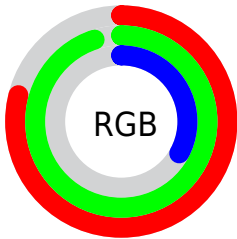
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 241, 122
Decimal	13300051
CIE <sub>Lab</sub>	89.90, -33.91, 69.18
CIE <sub>LCh</sub>	90, 77.042, 116.116
Yxy	76.0917, 0.3742, 0.4963
Android (android.graphics.Color)	4291490131 (0xFFCAF153)
YUV	211.3270, -63.2652, -8.1798
Hunter-Lab	87.2306, -35.2539, 47.5663

# Details

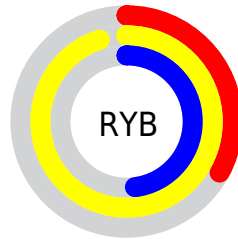
The Yxy color **76.0917, 0.3742, 0.4963** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **16.6871, 0.2098, 0.1296**, and the grayscale version is **65.7849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6441, 0.3804, 0.4408**, and **40.6563, 0.3792, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **74.9705, 0.3776, 0.5146**, and if you desaturate by 10%, it is **77.3811, 0.3683, 0.4741**.

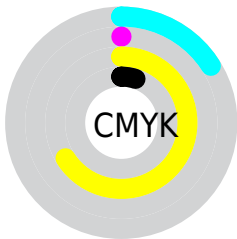
# Distribution



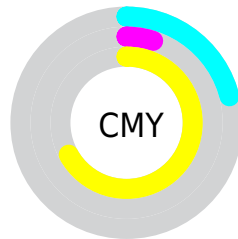
- Red (79%)
- Green (95%)
- Blue (33%)



- Red (33%)
- Yellow (95%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (66%)
- Black (5%)




- Cyan (21%)
- Magenta (5%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0917, 0.3742, 0.4963 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.0917, 0.3742, 0.4963 by changing the saturation by 10% instead.




 76.0917, 0.3742,  
0.4963


 76.0917, 0.3742,  
0.4963


481.6615, 0.3520,  
0.4188

 56.5077, 0.3771,  
0.5130

 127.8565, 0.3681,  
0.4700


 40.6101, 0.3795,  
0.5327


 160.8061, 0.3653,  
0.4596

 28.0146, 0.3806,  
0.5560


 198.9797, 0.3626,  
0.4505

 18.3366, 0.3786,  
0.5833

 242.7617, 0.3601,  
0.4425

 11.1919, 0.3762,  
0.6238

292.5365, 0.3578,  
0.4355

 6.1961, 0.3510,  
0.6490


348.6885, 0.3557,

 2.9647, 0.3115,


0.4293


0.6885


411.6020, 0.3538,  
0.4238


 1.1133, 0.1613,  
0.8387


 0.0000, 0.0000,  
0.0000


 76.0917, 0.3742,  
0.4963


 76.0917, 0.3742,  
0.4963


 74.9705, 0.3776,  
0.5146


 77.3811, 0.3683,  
0.4741


 73.9929, 0.3785,  
0.5283


 78.8409, 0.3604,  
0.4491

 73.1445, 0.3768,  
0.5371

 80.4855, 0.3510,  
0.4224


 72.7960, 0.3755,  
0.5400

 82.3249, 0.3406,  
0.3952

 84.3683, 0.3297,  
0.3684

 86.6243, 0.3187,  
0.3426

 89.1009, 0.3080,  
0.3184

 90.3890, 0.3099,  
0.3154

 91.3958, 0.3133,  
0.3156

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0917, 0.4481, 0.4556



76.0917, 0.3742, 0.4963



76.0917, 0.2890, 0.4782

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0917, 0.3742, 0.4963



76.0917, 0.1611, 0.2279



76.0917, 0.4096, 0.2702

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.0917, 0.3742, 0.4963



16.6871, 0.2098, 0.1296

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.0917, 0.3158, 0.2242



76.0917, 0.3742, 0.4963



76.0917, 0.1821, 0.1983

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0917, 0.3742, 0.4963



76.0917, 0.1710, 0.2945



76.0917, 0.2341, 0.1987



76.0917, 0.4775, 0.3290



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0917, 0.3742, 0.4963



76.0917, 0.2368, 0.4262



76.0917, 0.2341, 0.1987



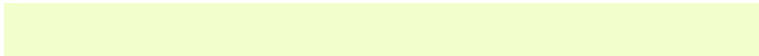
76.0917, 0.3791, 0.2530

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.0951, 0.3742, 0.4963



94.8278, 0.3346, 0.3804



32.7368, 0.4980, 0.3660



20.1582, 0.3377, 0.3880



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0951, 0.3742, 0.4963



84.7942, 0.3783, 0.5202



67.9135, 0.3229, 0.5284



18.2510, 0.3230, 0.3526



39.5389, 0.3763, 0.5394



3.3354, 0.3822, 0.5347



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.6871, 0.2098, 0.1296



12.7191, 0.1872, 0.0953



24.6708, 0.2779, 0.1613



15.4173, 0.3018, 0.3049



4.0100, 0.1642, 0.0678



0.3787, 0.1771, 0.0749



# Previews

## White Background



This preview shows how the Yxy color 76.0917, 0.3742, 0.4963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

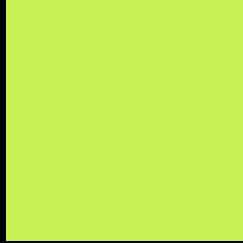
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0917, 0.3742, 0.4963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0917, 0.3742, 0.4963**

## Background



This preview shows how black text looks on a background with the Yxy color 76.0917, 0.3742, 0.4963.



This preview shows how white text looks on a background with the Yxy color 76.0917, 0.3742, 0.4963.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.0917, 0.3742, 0.4963

### Protanopia

75.6527, 0.4224, 0.4648

### Deuteranopia

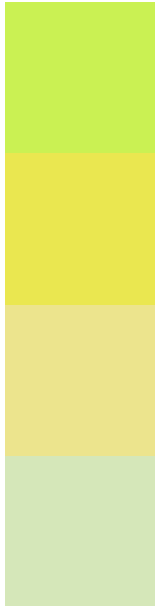
75.5024, 0.3711, 0.3763



## Tritanopia

75.5371, 0.2980, 0.3100

# Trichromacy



**Original Color**

76.0917, 0.3742, 0.4963

**Protanomaly**

75.2234, 0.4050, 0.4763

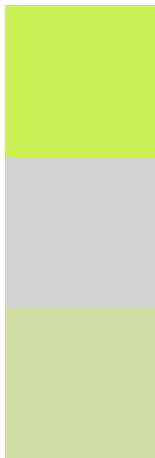
**Deuteranomaly**

75.2428, 0.3760, 0.4214

**Tritanomaly**

74.8007, 0.3296, 0.3807

# Monochromacy



**Original Color**

76.0917, 0.3742, 0.4963

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

68.3328, 0.3413, 0.3964

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0917, 0.3742, 0.4963 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 241, 83)` looks like.

```
.text, #text, p{  
    color:rgb(202, 241, 83)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 241, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 241, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0917, 0.3742, 0.4963 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 241, 83) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(202, 241, 83) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(202, 241, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 241, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 241, 83);  
box-shadow:4px 4px 4px 4px rgb(202, 241,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0917, 0.3742, 0.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 241, 83) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
241, 83) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor